

THRESHOLD VOLTAGE DETECTOR FOR PROCESS EFFECT COMPENSATION

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Abstract

A process variation compensation circuit and method including a threshold voltage detector circuit, a comparator network, and a circuit block. The threshold voltage detector circuit is configured with at least one transistor
10 that is manufactured during a process. The threshold voltage detector generates an output signal dependant on variations in the process. The comparator network is coupled to the threshold voltage detector. The comparator network receives the output signal and generates responsive logic signals that are indicative of the output signal. The circuit block is coupled to the comparator
15 network and includes at least one transistor manufactured from the process. The circuit block is configured to receive the logic signals and to adjust the circuit block according to the received logic signals.